

REMARKS

In accordance with the foregoing, claims 1 and 17 have been amended. Claims 32-40 have been added. No new matter is being presented, and approval and entry are respectfully requested. Claims 1, 4-6, 27-29, and 31-40 are pending and under consideration.

Reconsideration is respectfully requested.

REJECTIONS UNDER 35 U.S.C. § 103

Claims 1, 17, and 27-29 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vancelette (U.S. Patent No. 5,894,320) in view of Kim (U.S. Patent No. 5,838,386).

Claim 1 has been amended to recite "displaying on the digital television minor channel numbers associated with minor channels received through the demanded major channel; wherein the displayed minor channel numbers comprise at least one minor channel number corresponding to a program of a minor channel which is not currently displayed on the digital television among programs of the minor channels."

Claim 17 has been amended to recite "a display to display, as a viewing program, a program of a minor channel received through the selected major channel and minor channel numbers associated with minor channels received through the selected major channel,

wherein the displayed minor channel numbers comprise at least one minor channel number corresponding to a program of a minor channel which is not currently displayed on the digital television among programs of the minor channels."

In view of above amendment, it is respectfully submitted that the combination of Vancelette and Morrison does not teach or suggest the invention as recited in claim 1.

None of the cited references disclose, teach or suggest "displaying on the digital television minor channel numbers associated with minor channels received through the demanded major channel, wherein the displayed minor channels comprise at least one minor channel number corresponding to a program of a minor channel which is not currently displayed on the digital television among programs of the minor channels", as recited in amended claims 1 and 17 of the present application.

Referring to Fig. 6 of Kim, it illustrates that only channel number corresponding to the already displayed program. Although, the menu for changing the channel is displayed along with the channel number, the channel number corresponding to the changeable channel is not displayed. There is nothing in the detailed description relating to Fig. 6 of the specification with respect to the above features.

Thus, Kim merely describes a number of channel corresponding to a program displayed on a current screen. (see Fig. 6 of Kim et al.)

Therefore, it is respectfully submitted that a combination of Vancelett (U.S. Patent No. 5,894,320) and Kim does not disclose, teach, or suggest displaying the channel number of the minor program for the user and the minor channel number corresponding to a program of a minor channel which is not currently displayed on the digital television, as recited in amended claims 1 and 17 of the present application.

In addition, claims 27-29 also patentable due at least to their depending from claim 1, as well as for the additional recitations therein.

Claims 4-6 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vancelette and Kim, further in view of Ehteredge (U.S. Patent No. 6,172,674).

Claims 4-6 are also patentable due at least their depending from claim 1, as well as for the additional recitations therein.

It is noted that claim 31 is rejected but the outstanding office action does not provide with any reason for the rejection of claim 31.

Thus, it is respectfully submitted that claim 31 be allowed.

New Claim 32 through 40

New claims 32-40 have been added to provide different aspect of present application.

Claim 32 and claims 33-38, which depend from claim 32, are patentable due at least to the same or similar rationales as claim 1, as well as for the additional recitations therein.

Claim 39 recites "the display displays the minor channel numbers and the major channel number simultaneously and displays in a format X, X-1, X-2...X-n, wherein X is the major channel number, 1, 2...n are minor channel numbers, and n is the highest minor channel number."

Again, the cited references fail to disclose, teach, or suggest as recited in new claim 39 of the present application, for example.

Accordingly, it is respectfully submitted that claim 39 and claim 40, which depend from claim 39, are patentable due at least to their depending from claim 32, as well as for the additional recitations therein.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

Serial No. 09/179,872

Docket No.: 1317.1055

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: Apr. 22, 2011

By: 
Sang Chul Kwon
Registration No. 63,153

1201 New York Avenue, N.W., 7th Floor
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501